

WHAT IS CLAIMED IS:

1. A multiple-wheel drive vehicle, comprising:

at least one front-wheel assembly;

5 at least one rear-wheel assembly;

first means for driving said at least one front-wheel assembly, said first drive means carried by said at least one front-wheel assembly;

second means for driving said at least one rear-wheel assembly, said second drive means carried by said at least one rear-wheel assembly; and

means for controlling said first drive means and said second drive means.

15 2. The vehicle of claim 1, wherein said first drive means and said second drive means each are hub motors.

3. The vehicle of claim 2, wherein said controlling means is a microchip programmed to determine the amount of current needed for each of said hub motors based on a user interface means for input.

4. The vehicle of claim 3, wherein said input means is a twist-grip throttle.

5. The vehicle of claim 3, wherein said input means is a lever throttle.

6. The vehicle of claim 1, further comprising a pedal assembly, wherein said pedal assembly is capable of propelling said vehicle via human pedal-power.

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7. The vehicle of claim 6, wherein said pedal assembly is foldable

8. A multiple-wheel drive vehicle, comprising:

15 at least one front-wheel assembly;

at least one rear-wheel assembly;

first means for driving said at least one front-wheel assembly, said first drive means carried by said at least one front-wheel assembly;

20 second means for driving said at least one rear-wheel assembly, said second drive means carried by said at least one rear-wheel assembly;

means for controlling said first drive means and said second drive means; and

means for selecting between at least two modes of operation, wherein said at least two modes of operation is
5 selected from the group consisting of an all-wheel mode, a single-wheel assembly mode, a normal mode, a hill-climbing mode, a stealth mode, an enhanced-speed mode, an idle mode, a hill-descending mode, a front -wheel drive mode and a rear-wheel drive mode.

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9. The vehicle of claim 8, wherein said first drive means and said second drive means each are hub motors.

10. The vehicle of claim 9, wherein said controlling means
15 is a microchip programmed to determine the amount of current needed for each of said hub motors based on a user interface means for input.

11. The vehicle of claim 10, wherein said input means is a
20 twist-grip throttle.

12. The vehicle of claim 10, wherein said input means is a lever throttle.

13. The vehicle of claim 8, further comprising a pedal assembly, wherein said pedal assembly is capable of propelling said vehicle via human pedal-power.

5 14. The vehicle of claim 13, wherein said pedal assembly is foldable.

15. A method for propelling a two-wheeled vehicle, comprising the steps of:

- 10 a. adapting a first hub motor to a first front wheel;
- b. adapting a second hub motor to a second rear wheel; and
- c. controlling the power or speed of each of said
- 15 first and second hub motors via a single user interface input.

16. The method of claim 15, further comprising the step of selecting a desired mode, wherein said desired mode is

20 selected from the group consisting of an all-wheel mode, a single-wheel assembly mode, a normal mode, a hill-climbing mode, a stealth mode, an enhanced-speed mode, an idle mode,

a hill-descending mode, a front -wheel drive mode and a rear-wheel drive mode.